CPSC 304 Group Project

Cover Page

Milestone #: 1
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Group Number: 62

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

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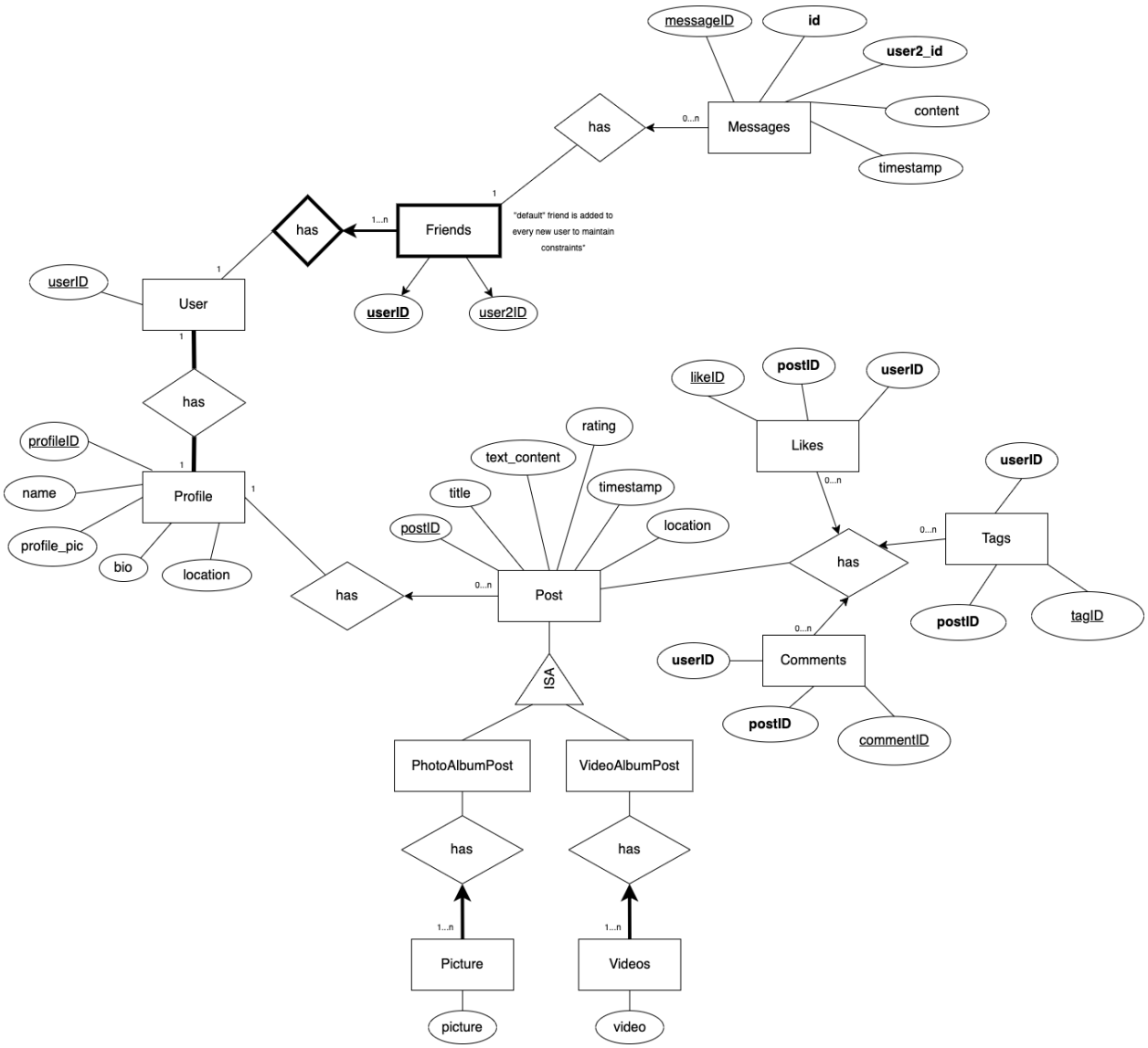
ER Diagram



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Project Information

Domain:

Domain of the application:

The project's domain is centered around a student's information specific to restaurants and dining experiences. We authenticate a user by their CWL, and with that, we maintain their social connections (following/followers) and their user-provided data, such as reviews, ratings, images, and videos of their favorite (or least favorite) restaurants they have visited.

Aspects Modeled by Database:

Our project is addressing the students' concern for affordability and quality of food by creating a user based social food review platform. In a real life example a student at UBC who wants to eat something nice after their first midterm would launch our app and after scrolling sees a 5 star review post by a foodie about kokoro's new extra large mazesoba. He sends the post review to his friends through the messaging feature within the app and they all go try it out. After the meal, he goes back onto the app and likes the post and posts his own review and photos of his and his friends mazesoba and ramen from kokoro for other users to see and interact with.

Functionalities:

It will allow users to upload experiences and reviews about the restaurants and food places they have tried. Scroll through different posts describing those experiences and ask other people directly through the messaging feature. It will allow them to connect with food enthusiasts of their own type and taste and find new places that have never been explored before.

Database Specifications:

This project will be based on Oracle Database as it is robust, scalable and has a lot of features making it a reliable choice for mission-critical enterprise applications. Additionally, Oracle's long-standing presence in the database industry provides a vast ecosystem of tools and expertise for efficient management and support.

Application Technology Stack:

The development stack for this application would be PHP because of the following reasons -

1) PHP supports a wide range of database management systems, including MySQL, PostgreSQL, Oracle, and more. In this case oracle.
2) It has built-in functions and features tailored for creating dynamic web applications that interact with databases, making it efficient for building web-based database applications.
3) PHP can easily integrate with other technologies, frameworks, and APIs, allowing developers to incorporate various services and components into their database applications. Some of them include Laravel, Slim and Twig.